



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,103	07/08/2003	Omkumar Seshadri	TI-35593	8627

23494 7590 10/20/2006

TEXAS INSTRUMENTS INCORPORATED
P O BOX 655474, M/S 3999
DALLAS, TX 75265

EXAMINER

SHAN, APRIL YING

ART UNIT	PAPER NUMBER
----------	--------------

2135

DATE MAILED: 10/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/615,103	SESHADRI, OMKUMAR	
	Examiner	Art Unit	
	April Y. Shan	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 July 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-10 have been examined.

Priority

2. Receipt is acknowledged of papers filed under 35 U.S.C. 119 (a)-(d) based on an application filed in European Patent Office on 02 May 2003. Applicant has not complied with the requirements of 37 CFR 1.63(c), since the oath, declaration or application data sheet does not acknowledge the filing of any foreign application. A new oath, declaration or application data sheet is required in the body of which the present application should be identified by application number and filing date.

3. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in European Patent Office on 02 May 2003. It is noted, however, that applicant has not filed a certified copy of the EPO 03291079.6 application as required by 35 U.S.C. 119(b).

Specification

4. The disclosure is objected to because of the following informalities:

For example,

- a. In paragraph [0017], "Because the zones are so secure, they help give customers the confidence they need to share design intellectual property with Texas Instruments Inc. representatives and subcontractors for the purpose of completing a project and increasing the value of a joint design." This sentence is

grammatically incomprehensible. It should be "help giving" and the second "they" should be "the customers";

b. In paragraph [0018], "They login" should be "They log in";

Check the specification and correct any informality the Applicant is aware of.

Appropriate correction is required.

Claim Objections

5. Claims 1, 2 and 5 are objected to because of the following informalities:

Claims 1, 2 and 5, preamble and body of the claim are not clearly defined.

Appropriate corrections are required.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Mikurak (US Patent No. 6,671,818).

As per **claim 1**, Mikurak discloses a method of providing highly secure access to EDA licenses from servers of an owner inside an Intranet of said owner without a security risk comprising the steps of: providing a license proxy server in said design zone; and application hosts inside said design zone contacting the license proxy server which in turn fetches the licenses from said Intranet (col. 117, lines 54-67 and col. 118, lines 1-5).

As per **claim 2**, Mikurak discloses a method to provide access to EDA licenses managed by a manager running on license servers inside an owner's Intranet comprising the steps of: providing a license proxy in the design zone that will act as a relay agent (col. 117, lines 54-67 and col. 118, lines 1-5) and routing all the connections from design zone into the owner's Intranet (fig. 116).

As per **claim 3**, Mikurak discloses a method comprising the steps of: providing a license proxy server inside the design zone (col. 117, lines 54-67), application hosts in the design zone contacting the license proxy server, and said license proxy server fetching licenses from the Intranet so that only the required ports for the licensed proxy server are opened in the design zone (col. 117, lines 54-67 and col. 118, lines 1-5).

As per **claim 4**, Mikurak discloses in a system comprising:

Art Unit: 2135

a license proxy server inside the design zone (col. 117, lines 54-67), application hosts in the design zone contacting the license proxy server, and said license proxy server fetching from the Intranet so that only the required ports for the license proxy server are opened in the design zone (col. 117, lines 54-67 and col. 118, lines 1-5).

As per **claim 5**, Mikurak discloses a method comprising the steps of: providing a license proxy server inside the design zone (col. 117, lines 54-67), providing application hosts in the design zone contacting the license proxy server, and said proxy server fetching licenses from the Intranet so that only the required ports for the proxy server are opened in the design zone (col. 117, lines 54-67 and col. 118, lines 1-5).

As per **claim 6**, Mikurak discloses a system for enabling collaboration by an owner of a collaborative network with partners such as sub-contractors, customers and/or Electronic Design Automation (EDA) vendors without compromising Intellectual Property comprising:

a highly secure common resource design zone with services wherein data input and output remains on the secure common resource design zone (fig. 116);

means for providing security to separate engagement boxes for each partner in said secure common resource design zone where the partners can work simultaneously, run simulation tests, emulate software problems or share in said secure

Art Unit: 2135

common resource computing zone with just the remote display is going back to the engagement box of the partner and therefore to the partner outside the owner (fig. 116);

a proxy server inside the secure common resource design zone (a secondary firewall is located behind the web server at corporate headquarters and access control software package 11608 in fig. 116 – e.g. col. 269, lines 3-11), application hosts in the secure common resource design zone contacting the proxy server, and said proxy server fetching from the Intranet so that only the required ports for the proxy server are opened in the secure common resource design zone.

As per **claim 7**, Mikurak discloses a system as applied in claim 6. Mikurak further discloses wherein said proxy server is a license proxy server (col. 117, lines 54-67).

As per **claim 8**, Mikurak discloses a system as applied in claim 7. Mikurak further discloses wherein

said means for providing security to separate engagement boxes includes means for providing a VPN tunnel between workstations to establish a secure encrypted tunnel end to end wherein each partner is identified with a different VPN group/password (fig. 116 and col. 268, lines 45-67);

means for starting a session by the partner in a Web page on a portal machine that authenticates thru LDAP the user/password of the person (e.g. col. 181, lines 44-67 and col. 182, lines 1-7);

means for routing the session to an engagement box depending on the person (allowing a customer to access only their own information, not another customer's information – e.g. col. 268, lines 16-39) where the engagement boxes are on network segments separated by firewall boxes with another logon/password and is validated thru second LDAP and wherein all users of the same partner are all launching on the same box (col. 268, lines 45-67 and col. 269, lines 1-15); and

means for accessing data and applications from that engagement box on Network File system storage authenticated LDAP to get benefit of a big compute farm composed of many high-end servers in a very secure way (fig. 115 and 116).

As per **claim 9**, Mikurak discloses a system as applied in claim 8. Mikurak further discloses including a backend segment that includes an owner's Intranet access through a firewall to an owner's Intranet (Corporate employees can access information on the back end database server – e.g. col. 268, lines 16-26 and fig. 115).

As per **claim 10**, Mikurak discloses a system as applied in claim 9. Mikurak further discloses including an access box for management of all critical boxes in said secure design zone (fig. 115 and 116).

Double Patenting

8. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

9. Claims 1-10 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-8 and 10-14 of copending Application No. 10/615,263 (U.S. Publication No. 2004/0230841). Although

Art Unit: 2135

the conflicting claims are not identical, they are not patentably distinct from each other because claims 1-10 encompass the same subject matter as claims 1-8 and 10-14 in the copending application.

Claim 1 recites In a design zone system with means for starting (The terms “starting a VPN tunnel” and “providing a VPN tunnel” are interpreted as having the same meaning a VPN tunnel between workstations to establish a secure encrypted tunnel end to end wherein each partner is identified with a different VPN group/password; means for starting a session by the partner in a Web page on a portal machine that authenticates thru LDAP the user/password of the person; means for routing the session to an engagement box depending on the person where the engagement boxes are on network segments separated by firewall boxes with another logon/password and is validated thru second LDAP and wherein all users of the same partner are all launching on the same box; and means for accessing data and applications from that engagement box on Network File system storage authenticated LDAP to get benefit of a big compute farm composed of many high-end servers in a very secure way (Claim 8 of copending application publication)

Claim 2 recites In a system of enabling collaboration by owners of a collaborative network with partners such as sub-contractors, customers and/or Electronic Design Automation (EDA) vendors without compromising Intellectual Property by providing by the owner a highly secure common resource computing environment or design zone with services on the common resource or design zone being protected by multiple layers of security to engagement boxes of the partners where the partners can work

simultaneously, run simulation tests, emulate software problems and share in a secure zone with just the remote display going back to the engagement box of the partner and therefore to the partner outside the owner (Claim 10 of copending application publication)

Claim 1-3 and 5 recite a method of providing highly secure access to EDA licenses from servers of an owner inside an Intranet of said owner without a security risk comprising the steps of: providing a license proxy server in said design zone; and application hosts inside said design zone contacting the license proxy server which in turn fetches the licenses from said Intranet, a method to provide access to EDA licenses managed by a manager running on license servers inside an owner's Intranet comprising the steps of: providing a license proxy in the design zone that will act as a relay agent and routing all the connections from design zone into the owner's Intranet, a method while executing outsourcing projects in a secure design zone a method to provide access to EDA licenses managed by software daemon manager running on license servers inside an Intranet separated from the design zone by a firewall without opening all TCP inbound connections inside the Intranet for ports greater than 1023 from all the hosts in contractor or design zone on which EDA applications are run comprising the steps of: providing a license proxy server inside the design zone, application hosts in the design zone contacting the license proxy server, and said license proxy server fetching licenses from the Intranet so that only the required ports for the licensed proxy server are opened in the design zone and a method to provide access to servers inside an Intranet separated from the design zone by a firewall

without opening all TCP inbound connections inside the Intranet for ports greater than 1023 from all the hosts in contractor or design zone on which EDA applications are run comprising the steps of: providing a license proxy server inside the design zone, providing application hosts in the design zone contacting the license proxy server, and said proxy server fetching licenses from the Intranet so that only the required ports for the proxy server are opened in the design zone (Claims 1-7 of copending application publication).

Claims 4 and 6-10 recite In a system for executing outsourcing projects in a secure contractor or design zone a means to provide access to EDA licenses managed by software daemon manager running on license servers inside an Intranet separated from the design zone by a firewall without opening all TCP inbound connections inside the Intranet for ports greater than 1023 from all the hosts in the design zone on which applications are run comprising: a license proxy server inside the design zone, application hosts in the design zone contacting the license proxy server, and said license proxy server fetching from the Intranet so that only the required ports for the license proxy server are opened in the design zone, a system for enabling collaboration by an owner of a collaborative network with partners such as sub-contractors, customers and/or Electronic Design Automation (EDA) vendors without compromising Intellectual Property comprising: a highly secure common resource design zone with services wherein data input and output remains on the secure common resource design zone; means for providing security to separate engagement boxes for each partner in

Art Unit: 2135

said secure common resource design zone where the partners can work simultaneously, run simulation tests, emulate software problems or share in said secure common resource computing zone with just the remote display is going back to the engagement box of the partner and therefore to the partner outside the owner; a proxy server inside the secure common resource design zone, application hosts in the secure common resource design zone contacting the proxy server, and said proxy server fetching from the Intranet so that only the required ports for the proxy server are opened in the secure common resource design zone, a proxy server is a license proxy server, includes means for providing a VPN tunnel between workstations to establish a secure encrypted tunnel end to end wherein each partner is identified with a different VPN group/password; means for starting a session by the partner in a Web page on a portal machine that authenticates thru LDAP the user/password of the person; means for routing the session to an engagement box depending on the person where the engagement boxes are on network segments separated by firewall boxes with another logon/password and is validated thru second LDAP and wherein all users of the same partner are all launching on the same box; and means for accessing data and applications from that engagement box on Network File system storage authenticated LDAP to get benefit of a big compute farm composed of many high-end servers in a very secure way, a backend segment that includes an owner's Intranet access through a firewall to an owner's Intranet, including an access box for management of all critical boxes in said secure design zone (Claims 10-14 of copending application publication).

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Mikurak (US Pub No. 2004/0064351) discloses a system, method and article of manufacture are provided for a first business entity to provide a network-based supply chain framework for collaborative order management.
- Mikurak (US Patent No. 6606744) discloses a system, method and article of manufacture are provided for collaborative installation management in a network based supply chain environment.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to April Y. Shan whose telephone number is (571) 270-

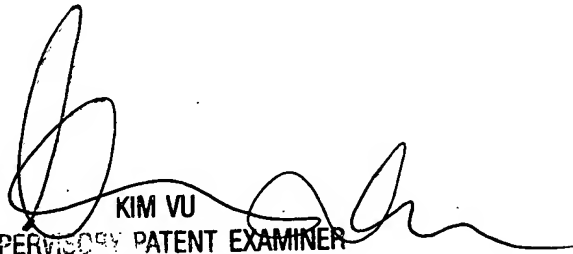
Art Unit: 2135

1014. The examiner can normally be reached on Monday - Friday, 8:00 a.m. - 5:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y. Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AYS
5 October, 2006
AYS


KIM VU
SUPERVISOR, PATENT EXAMINER
TECHNOLOGY CENTER 2100